

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/050210 A1

(51) International Patent Classification⁷: **B01D 24/44**,
24/40, B01J 8/00

(21) International Application Number:
PCT/GB2003/005174

(22) International Filing Date:
28 November 2003 (28.11.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0228199.6 3 December 2002 (03.12.2002) GB

(71) Applicant (for all designated States except US): **DYNAMIC PROCESSING SOLUTIONS PLC** [GB/GB];
Dynamic House, 8-10 Combe Road, Portishead, Bristol
BS20 6BJ (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DELVES, James,**

Edward [GB/GB]; 16 Drakes Way, Portishead, Bristol
BS20 6LB (GB). **PARKINSON, David, John** [GB/GB];
Arodene, Walton Down, Walton-in-Gordano, Clevedon
BS21 7AR (GB). **BROCK, Simon, Thomas, Henry**
[GB/GB]; The Orchard, Friary Road, Portishead, Bristol
BS20 6LW (GB).

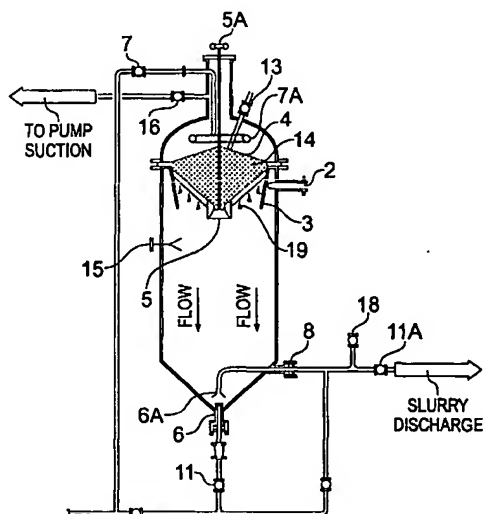
(74) Agent: **GILES, Ashley, Simon**; Haseltine Lake, Imperial
House, 15-19 Kingsway, London WC2B 6UD (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO,
CR, CU, CZ (utility model), CZ, DE (utility model), DE,
DK (utility model), DK, DM, DZ, EC, EE (utility model),
EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG,
US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),

[Continued on next page]

(54) Title: APPARATUS FOR INHIBITING FINES CARRYOVER



(57) Abstract: Apparatus for inhibiting fines carryover in the form of a settlement tank comprising: a filter which divides the tank into upper and lower portions; a fluid inlet in the lower portion for admitting into the tank a fluid with entrained solids; and a fluid outlet in the upper portion through which filtered fluid can leave the tank. The filter comprises filter media supported on a permeable wall, the wall including a filter media outlet which is normally closed, and opening means for opening the filter media outlet to allow the filter media to discharge into the lower portion of the tank. The invention also relates to a method of refilling the filter with filter media



European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— with international search report